

Version Showing Changes to Specification

Kindly replace the paragraph spanning pp. 12-13 of the Specification as follows:

However, in the equation (1) which follows, the value of the optical basicity Λ of each oxide was established by considering the coefficient of each oxide, from the compositions of the oxides, in accordance with the equation (2) which follows. The coefficients of various oxides can be obtained by the method of J. A. Duffy (J. A. Duffy and M.D. Ingram, J. Inor. Nuclear Chem., 1975, Vol. 37, pp. 1203 - 1206). The equations are:

$$\log (\%S \text{ inc.}) = (21920 - 54640\Lambda) / T + 43.6\Lambda - 23.9 - \log [aO] + \log [\text{wt}\%S] \quad \dots \text{ (Equation 1)}$$

wherein

T represents the casting temperature (K) during the continuous casting process,

[wt%S] represents the concentration of S in the steel, and

[aO] represents the oxygen activity of the molten steel at the casting temperature (T) during the continuous casting process.